

What is claimed is:

1. A water jet producing device, comprising:

a tube having a slug of water therein;

a burst diaphragm proximate to the slug of water;

5 a pusher plate proximate to the slug of water and opposite to the burst diaphragm;

a breech charge proximate to the pusher plate wherein initiation of the breech charge

produces breech gases;

a bore end, having an inner diameter;

an extension tube, comprising:

10 an inner diameter;

a first end, having an inner diameter greater than the inner diameter of the bore end,

wherein the inner diameter of the extension tube decreases when moving away from the first end

until the inner diameter of the extension tube approximately equals the inner diameter of the bore

end;

15 a volume sufficient to hold the water slug;

means for attaching the first end of the extension tube to the bore end; and,

at least one aperture located within the extension tube, proximate attaching means

wherein the breech gases vent through the at least one aperture.

2. The extension tube of claim 1, the attachment means comprising an inner thread

20 capable of screwing on to the bore end of the water jet producing device.

3. The extension tube of claim 2, further comprising angled tubes attached to the at least one aperture wherein the breech gases are directed away from a second end of the extension tube.

4. The extension tube of claim 2, further comprising at least one flange placed proximate to the at least one aperture wherein the at least one flange directs the breech gases escaping through the at least one aperture away from the second end.

5 5. The extension tube of claim 2, further comprising eight apertures.

6. The extension tube of claim 5, wherein the extension tube comprises steel.

7. The extension tube of claim 6, wherein the inner diameter of the first end comprises approximately 1.5 inches.

8. The extension tube of claim 7, wherein the inner diameter of the bore end comprises approximately 1 inch.

10 9. The extension tube of claim 8, wherein the apertures further comprise a diameter from about 0.3 to about 0.5 inches.

10 10. A method for disrupting the firing train of unexploded ordnance, comprising the steps of:

providing a water jet producing device comprising a tube having a slug of water therein, a
15 burst diaphragm proximate to the slug of water, a pusher plate proximate to the slug of water and
opposite to the burst diaphragm, a breech charge proximate to the pusher plate wherein initiation
of the breech charge produces breech gases, a bore end, and an inner diameter associated with the
bore end, an extension tube comprising an inner diameter, a first end, having an inner diameter
greater than the inner diameter of the bore end, wherein the inner diameter of the extension tube
20 decreases when moving away from the first end until the inner diameter of the extension tube
approximately equals the inner diameter of the bore end, a volume sufficient to hold the water
slug, means for attaching the first end of the extension tube to the bore end, and, at least one

pressure release port located within the extension tube, proximate attaching means wherein the breech gases vent through the at least one aperture;

aiming the water jet producing device at the firing train; and,

initiating the water jet producing device.

5 11. A water jet producing device, comprising:

a tube having a slug of water therein;

a burst diaphragm proximate to the slug of water;

a piston proximate to the slug of water and opposite to the burst diaphragm;

a breech charge proximate to the pusher plate wherein initiation of the breech charge

10 produces breech gases;

a bore end, having an inner diameter;

an extension tube, comprising:

an inner diameter;

a first end, having an inner diameter greater than the inner diameter of the bore end,

15 wherein the inner diameter of the extension tube decreases when moving away from the first end until the inner diameter of the extension tube approximately equals the inner diameter of the bore end;

a volume sufficient to hold the water slug;

means for attaching the first end of the extension tube to the bore end; and,

20 at least one aperture located within the extension tube, proximate attaching means

wherein the breech gases vent through the at least one aperture.